Sheet 1 of 2

Form PTO-1449

U.S. Department of Commerce

Date Filed: July 8, 2008

DOCKET NO. 61169.00039 (O-2779)	APPLN. NO. 10/507,059
APPLICANT: Hoon Choi et al.	
FILING DATE: September 9, 2004	GROUP: 1615

U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if appropriate
	A	4,394,370	07//19/1983	Jefferies			
	B	4,472,840	09/25/1984	Jefferies			
	C	6,311,690 B1	11/06/2001	Jefferies			
	D	6,302,913 B1	10/16/2001	Ripamonti et al.			
	E	4,775,646	10/4/1988	Hench et al.			
	F	6,334,988 B1	01/01/2002	Gallis et al.			
	G	6,328,990 B1	12/11/2001	Ducheyne et al.			
	H	4,171,544	10/23/1979	Hench et al.			
	I	5,074,916	12/24/1991	Hench et al.			
	J	6,261,679 B1	07/17/2001	Chen et al. (Cited in the International Search Report)			

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation Yes/No/Abstract

OTHER DOCUMENT(S) (*Including Author, Title, Date, Pertinent Pages, etc.*)

1	*Gross, U. et al.*, "Surface Activities of Bioactive Glass, Aluminum Oxide, and Titanium in a Living Environment," *Annals NY Academy of Science (ed. Ducheyne and Lemons)*, 523: 211-226 (1988).
2	*Hench, Larry L.*, "Bioactive Ceramics," *Annals NY Academy of Sciences (ed. Ducheyne and Lemons)*, 523: 54-71 (1988).
3	*Hench, Larry L. et al.*, "The Sol-Gel Process," *Chem. Rev.*, 90: 33-72 (1990).
4	*Huo, Qisheng et al.*, "Mesostructure Design with Gemini Surfactants: Supercage Formation in a Three-Dimensional Hexagonal Array," *Science*, 268: 1324 (1995).
5	*Kresge, C.T. et al.*, "Ordered Mesoporous Molecular Sieves Synthesized by a Liquid-Crystal Template Mechanism," *Nature*, 359: 710-712 (1992).
6	*Kokubo, T. et al.*, "Solutions Able to Reproduce In Vivo Surface-Structure Changes in Bioactive Glass-Ceramic A-W^3," *J. of Biomedical Materials Research*, 24:721-734 (1990).

Examiner Signature:	Date Considered:
/Jennifer Berrios/	06/08/2009

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /J.B./

sheet 2 of 2

Form PTO-1449

U.S. Department of Commerce

Date Filed: July 2, 2008

DOCKET NO. 61169.00039 (O-2779) | **APPLN. NO. 10/507,059**

APPLICANT: Hoon-Choi et al.

FILING DATE: September 9, 2004 | **GROUP: 1615**

U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if appropriate

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation Yes/No/Abstract

OTHER DOCUMENT(S) (*Including Author, Title, Date, Pertinent Pages, etc.*)

	7	*Li, P. et al.*, "The Bone-Bonding Polymer Polyactive 80/20 Induces Hydroxycarbonate Apatite Formation In Vitro," *J. of Biomedical Materials Research*, 34: 79-86 (1997).
	8	*Ogino, Makato et al.*, "Compositional Dependence of the Formation of Calcium Phosphate Films on Bioglass," *J. of Biomedical Materials Research*, 14: 55-64 (1980).
	9	*Qi, Limin et al.*, "Micrometer-Sized Mesoporous Silica Spheres Grown Under Static Conditions," *Chem. Mater.*, 10: 1623-1626 (1998).
	10	*Qiu, Q. et al.*, "Formation and Differentiation of Three-Dimensional Rat Marrow Stromal Cell Culture on Microcarriers in a Rotating-Wall Vessel," *Tissue Engineering*, 4(1): 19-34(1998).
	11	*Qiu, Qing-Qing et al.*, "Fabrication, Characterization and Evaluation of Bioceramic Hollow Microspheres Used As Microcarriers for 3-D Bone Tissue Formation in Rotating Bioreactors," *Biomaterials*, 20: 989-1001(1999).
	12	*Radin, S.R. et al.*, "The Effect of Calcium Phosphate Ceramic Composition and Structure on In Vitro Behavior. II. Precipitation," *J. of Biomedical Materials Research*, 27: 35-45(1993).
	13	*Schacht, S. et al.*, "Oil-Water Interface Templating of Mesoporous Macroscale Structures," *Science*, 273(5276): 768-771(1996).
	14	*Yang, Hong et al.*, "Synthesis of Mesoporous Silica Spheres Under Quiescent Aqueous Acidic Conditions," *J. of Materials Chemistry*, 8(3): 743-750(1998).

Examiner Signature: /Jennifer Berrios/ **Date Considered:** 06/08/2009

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).

PTO-1449.doc

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /J.B./